

ARTICLE 6.8. PARTICULATE MATTER LIMITATIONS FOR LAKE COUNTY

Rule 1. General Provisions

326 IAC 6.8-1-1 Applicability

Authority: IC 13-14-8; IC 13-17

Affected: IC 13-15

Sec. 1. (a) Except as provided in subsections (b) and (c), sources or facilities located in Lake County shall comply with the following emission limits and meet the requirements in 326 IAC 6.8-2, 326 IAC 6.8-4, 326 IAC 6.8-5, and 326 IAC 6.8-8 through 326 IAC 6.8-11:

(1) 326 IAC 6.8-4, 326 IAC 6.8-5, and 326 IAC 6.8-8 through 326 IAC 6.8-11 if the source or facility is specifically listed in 326 IAC 6.8-4, 326 IAC 6.8-5, and 326 IAC 6.8-8 through 326 IAC 6.8-11.

(2) Section 2 of this rule if the source or facility is not specifically listed but has:

(A) the potential to emit one hundred (100) tons or more; or

(B) actual emissions of ten (10) tons or more;

of particulate matter per year.

(b) Particulate limitations shall not be established for surface coating, reinforced plastic composites fabricating manufacturing processes, and graphic arts manufacturing processes that use the following:

(1) Dip coating.

(2) Roll coating.

(3) Flow coating.

(4) Brush coating.

(5) Less than five (5) gallons of coating per day.

(c) If the limitations in this article conflict with or are inconsistent with limitations established in 326 IAC 12, then the more stringent limitations shall apply. (*Air Pollution Control Division; 326 IAC 6.8-1-1; filed Aug 10, 2005, 1:00 p.m.: 28 IR 3503; filed Jan 23, 2008, 1:44 p.m.: 20080220-IR-326040279FRA; filed Mar 21, 2012, 11:27 a.m.: 20120418-IR-326070438FRA*)

326 IAC 6.8-1-1.5 Definitions

Authority: IC 13-14-8; IC 13-17-1-1; IC 13-17-3-4; IC 13-17-3-14

Affected: IC 13-15; IC 13-17

Sec. 1.5. (a) This section applies to the sources, facilities, and operations listed in this article.

(b) The following definitions apply throughout this article:

(1) "Asphalt concrete plant" means a facility used to manufacture asphalt concrete by heating and drying aggregate and mixing with asphalt cement.

(2) "Existing source" means any source that has commenced construction or is in operation on December 8, 2001.

(3) "Fuel combustion steam generator" means any furnace or boiler used in the process of burning solid, liquid, or gaseous fuel or any combination thereof for the purpose of producing steam by heat transfer.

(4) "Glass container manufacturing" means any industry manufacturing containers from soda-silica-lime-glass.

(5) "Grain elevator" means any plant or installation at which grain is:

(A) unloaded;

(B) handled;

(C) cleaned;

(D) dried;

(E) stored; or

(F) loaded.

(6) "Mineral aggregate operation" means an operation involving:

(A) mining;

(B) lasting and crushing;

- (C) sizing;
 - (D) storing; and
 - (E) transporting;
- of mineral materials.

(Air Pollution Control Division; 326 IAC 6.8-1-1.5; filed Aug 10, 2005, 1:00 p.m.: 28 IR 3504)

326 IAC 6.8-1-2 Particulate emission limitations; modification by commissioner

Authority: IC 13-14-8; IC 13-17

Affected: IC 13-15

Sec. 2. (a) Particulate matter emissions from facilities constructed after applicable dates in subsections (c) and (d) or not limited by subsection (b), (e), (f), (g), or (h) shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (dscf)).

(b) Fuel combustion steam generators are limited to the following particulate matter emissions limitations:

(1) For solid fuel-fired generators that have:

(A) greater than sixty-three million (63,000,000) kilocalories (kcal) per hour heat input (two hundred fifty million (250,000,000) Btu), a particulate matter content of not greater than eighteen-hundredths (0.18) gram per million calories (one-tenth (0.10) pound per million Btu);

(B) equal to or greater than six million three hundred thousand (6,300,000) kcal per hour heat input, but less than or equal to sixty-three million (63,000,000) kcal per hour heat input (equal to or greater than twenty-five million (25,000,000) Btu, but less than or equal to two hundred fifty million (250,000,000) Btu), a particulate matter content of not greater than sixty-three hundredths (0.63) gram per million calories (thirty-five hundredths (0.35) pound per million Btu); or

(C) less than six million three hundred thousand (6,300,000) kcal per hour heat input (twenty-five million (25,000,000) Btu), a particulate matter content of not greater than one and eight-hundredths (1.08) grams per million calories (six-tenths (0.6) pound per million Btu).

(2) For all liquid fuel-fired steam generators, a particulate matter content of not greater than twenty-seven hundredths (0.27) gram per million kcal (fifteen-hundredths (0.15) pound per million Btu).

(3) For all gaseous fuel-fired steam generators, a particulate matter content of not greater than one-hundredth (0.01) grain per dry standard cubic foot (dscf).

(c) Asphalt concrete plants are limited to particulate matter emissions of not greater than two hundred thirty (230) mg per dscm (one-tenth (0.1) grain per dscf), if in existence on or before June 11, 1973, and consisting of, but not limited to:

(1) driers;

(2) systems for:

(A) screening, handling, storing, and weighing hot aggregate;

(B) loading, transferring, and storing mineral filler;

(C) mixing asphalt concrete; and

(3) the loading, transfer, and storage systems associated with emission control systems.

(d) The following are the requirements for grain elevators:

(1) For grain elevators that began construction or modification before January 13, 1977, any grain storage elevator located at any grain processing source that has a permanent grain storage capacity of thirty-five thousand two hundred (35,200) cubic meters (one million (1,000,000) U.S. bushels) or more, and any grain terminal elevator that has a permanent grain storage capacity of eighty-eight thousand one hundred (88,100) cubic meters (two million five hundred thousand (2,500,000) U.S. bushels) or more shall be limited to particulate matter emissions of not greater than seven-hundredths (0.07) g/dscm (three-hundredths (0.03) grain per dscf).

(2) All grain elevators subject to this article shall provide for housekeeping and maintenance procedures that minimize the opportunity for particulate matter to become airborne and leave the property, such as the following:

(A) Housekeeping practices shall be conducted as follows:

(i) Areas to be swept and maintained shall include, at a minimum, the following:

(AA) General grounds, yard, and other open areas.

(BB) Floors, decks, hopper areas, loading areas, dust collectors, and all areas of dust or waste concentrations.

(CC) Grain driers with respect to accumulated particulate matter.

(ii) Cleanings and other collected waste material shall be handled and disposed of so that the area does not generate fugitive dust.

(iii) Dust from driveways, access roads, and other areas of travel shall be controlled.

(iv) Accidental spills and other accumulations shall be cleaned up as soon as possible but no later than completion of the day's operation.

(B) Equipment maintenance shall consist of procedures that eliminate or minimize emissions from equipment or a system caused by the following:

(i) Malfunctions.

(ii) Breakdowns.

(iii) Improper adjustment.

(iv) Operating above the rated or designed capacity.

(v) Not following designed operating specifications.

(vi) Lack of good preventive maintenance care.

(vii) Lack of critical and proper spare replacement parts on hand.

(viii) Lack of properly trained and experienced personnel.

(C) Emissions from the affected areas, operations, equipment, and systems shall not exceed twenty percent (20%) opacity as determined under 326 IAC 5-1.

(e) Gray iron foundries shall be limited to the following:

(1) Any cupola of a gray iron foundry shall be limited to particulate matter emissions of not greater than thirty-four hundredths (0.34) g/dscm (fifteen-hundredths (0.15) grain/dscf).

(2) Any melting process, excluding any cupola, of a gray iron foundry shall be limited to particulate matter emissions of not greater than sixteen-hundredths (0.16) g/dscm (seven-hundredths (0.07) grain/dscf).

(f) Glass container manufacturing furnace operations shall be limited to particulate matter emissions of not greater than one (1.0) gram per two (2.0) kilograms of process material (one (1.0) pound per ton).

(g) Mineral aggregate operations, where the process is totally enclosed, shall comply with the requirements in subsection (a). In addition, 326 IAC 2, 326 IAC 5-1, and 326 IAC 6-4 shall apply in all cases to mineral aggregate operations.

(h) Surface coating, reinforced plastic composites fabricating manufacturing processes, and graphic arts manufacturing processes shall be controlled by a dry particulate filter, waterwash, or an equivalent control device, subject to the following:

(1) The source shall operate the control device in accordance with manufacturer's specifications.

(2) If overspray is visibly detected at the exhaust or accumulates on the ground, the source shall inspect the control device and do either of the following no later than four (4) hours after the observation:

(A) Repair the control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.

(B) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.

If overspray is visibly detected, the source shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detectable at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.

(3) A source is exempt from subdivision (2) if it operates according to a valid permit under:

(A) 326 IAC 2-7;

(B) 326 IAC 2-8; or

(C) 326 IAC 2-9.

(4) Surface coating manufacturing processes that use less than five (5) gallons of coating per day are exempt from the work practice standards in subdivisions (1) and (2). At any time the coating application rate increases to greater than five (5) gallons per day, a control device must be in place. A manufacturing process that is subject to this subsection shall remain subject to it even if there is a subsequent decrease in gallons of coating used.

(i) Based on modeling analyses available to the commissioner, where it is determined that the limitations in subsections (a) through (g) are not adequate to achieve and maintain the ambient particulate air quality standards established by 326 IAC 1-3, the limitations set forth in this section may be changed for facilities:

(1) having a significant impact on air quality and located in areas where the ambient particulate standard either is not attained or will not be maintained without emission limitations in addition to those set forth in this section; and

(2) required to comply with the prevention of significant deterioration requirements of 326 IAC 2.

These limitations shall be established in construction and operation permits issued in accordance with the procedures set forth in 326 IAC 2.

(j) If the emission limitations established in subsections (a) through (g) for facilities that were operating or under construction on August 7, 1980, impose a severe economic hardship on any individual source, then the source may petition the commissioner for reconsideration of the limitations. If the source can demonstrate to the commissioner's satisfaction that a severe hardship will be caused if the applicable requirements in this rule are enforced, then less restrictive emission limitations may be established by the commissioner, provided the less restrictive limitations will guarantee the attainment and maintenance of the particulate ambient air quality standards established by 326 IAC 1-3. (*Air Pollution Control Division; 326 IAC 6.8-1-2; filed Aug 10, 2005, 1:00 p.m.: 28 IR 3504; filed Mar 21, 2012, 11:27 a.m.: 20120418-IR-326070438FRA*)

326 IAC 6.8-1-3 Compliance determination

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11

Affected: IC 13-15; IC 13-17

Sec. 3. Testing to determine the amount of particulate matter emitted from any facility subject to the requirements of this article shall be conducted in accordance with the procedures set forth in 40 CFR 60, Appendix A, Methods 1-5*, or other procedures approved by the commissioner and U.S. EPA.

*The following is incorporated by reference: 40 CFR 60, Appendix A, Methods 1-5. Copies may be obtained from the Government Printing Office, 732 North Capitol Street, Washington, D.C. 20401 and are available for review and copying at the Department of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. (*Air Pollution Control Division; 326 IAC 6.8-1-3; filed Aug 10, 2005, 1:00 p.m.: 28 IR 3505*)

326 IAC 6.8-1-4 Compliance schedules

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11

Affected: IC 13-15; IC 13-17

Sec. 4. (a) Unless the commissioner has determined that a performance test is not required for a facility, the owner or operator of a source shall submit to the commissioner the results of a performance test, conducted in accordance with section 3 of this rule, demonstrating compliance with the emissions limitations established under this article:

(1) within sixty (60) days after achieving the maximum production rate at which the affected facility will be operated; or

(2) not later than one hundred eighty (180) days after the initial startup of the facility;

except when different compliance dates are established in a permit.

(b) If the emission limit applicable to a source or facility is made more stringent by reason of amendments to this article or by reason of amended permit requirements, then the source or facility shall achieve compliance as soon as practicable but not later than specified by the following schedule:

(1) Submittal of plans and specifications within six (6) months after:

(A) the date the source becomes subject to the terms in this rule; or

(B) the effective date of the amended rule or permit imposing a stricter limit.

Whichever date is applicable to a particular source is hereafter referred to as the effective date.

(2) Initiation of on-site construction or installation within twelve (12) months after the effective date.

(3) Completion of on-site construction or installation within twenty-four (24) months after the effective date.

(4) Achievement of compliance within twenty-eight (28) months after the effective date.

(5) Submittal of performance results within thirty (30) months of the effective date.
(*Air Pollution Control Division; 326 IAC 6.8-1-4; filed Aug 10, 2005, 1:00 p.m.: 28 IR 3506*)

326 IAC 6.8-1-5 Control strategies

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11

Affected: IC 13-15; IC 13-17

Sec. 5. (a) For existing sources, the following shall apply:

(1) Whenever emission limitations set forth in 326 IAC 6.8-2, 326 IAC 6.8-4, 326 IAC 6.8-5, and 326 IAC 6.8-8 through 326 IAC 6.8-10 are revised and established under section 2(i) and 2(j) of this rule, the revisions shall be submitted to U.S. EPA for approval as part of Indiana's SIP.

(2) If a permit issued by the commissioner, under this article, contains emission limitations more stringent than the limitations set forth in 326 IAC 6.8-2, 326 IAC 6.8-4, 326 IAC 6.8-5, and 326 IAC 6.8-8 through 326 IAC 6.8-10, then the emission limitations set forth in the permit shall supersede and replace the corresponding limitations in 326 IAC 6.8-2, 326 IAC 6.8-4, 326 IAC 6.8-5, and 326 IAC 6.8-8 through 326 IAC 6.8-10.

(b) For new sources:

(1) emission limitations; and

(2) any revisions to emission limitations;

shall be established as conditions in permits.

(c) Upon issuance, the:

(1) permits in subsection (b) shall be submitted to U.S. EPA for review; and

(2) emission limitations contained in the permits shall be submitted as SIP revisions.

(d) In this article where there are two (2) emission limits listed for a particular source or facility, the source or facility shall be required to comply with both limits. (*Air Pollution Control Division; 326 IAC 6.8-1-5; filed Aug 10, 2005, 1:00 p.m.: 28 IR 3506; filed Jan 23, 2008, 1:44 p.m.: 20080220-IR-326040279FRA; filed Mar 21, 2012, 11:27 a.m.: 20120418-IR-326070438FRA*)

326 IAC 6.8-1-6 State implementation plan revisions

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11

Affected: IC 13-15; IC 13-17

Sec. 6. Any exemptions given or provisions granted under this article by the commissioner in sections 2(a), 2(g), 2(i), 2(j), 4, and 5 of this rule shall be submitted to U.S. EPA as revisions to the SIP. (*Air Pollution Control Division; 326 IAC 6.8-1-6; filed Aug 10, 2005, 1:00 p.m.: 28 IR 3506; filed Mar 21, 2012, 11:27 a.m.: 20120418-IR-326070438FRA*)

326 IAC 6.8-1-7 Scope

Authority: IC 13-14-8; IC 13-17-1-1; IC 13-17-3-4; IC 13-17-3-14

Affected: IC 13-15; IC 13-17

Sec. 7. This article contains control strategies and emission limitations for particulate emissions from sources in Lake County as follows:

326 IAC 6.8-1	General Provisions
326 IAC 6.8-2	PM ₁₀ Emission Requirements
326 IAC 6.8-4	Opacity Limits; Test Methods
326 IAC 6.8-5	Opacity Continuous Emissions Monitors
326 IAC 6.8-8	Continuous Compliance Plan
326 IAC 6.8-9	PM ₁₀ Coke Battery Emission Requirements
326 IAC 6.8-10	Fugitive Particulate Matter
326 IAC 6.8-11	Particulate Matter Contingency Measures

(*Air Pollution Control Division; 326 IAC 6.8-1-7; filed Aug 10, 2005, 1:00 p.m.: 28 IR 3506; filed Jan 23, 2008, 1:44 p.m.: 20080220-IR-326040279FRA*)